

VHLM - North Halama Street

Date first used	NORTH HALAMA STREET VHLM 1-1		Survey Dates										GPS				
			9/5/95	2/18/96	8/14/96	1/11/97	7/7/97	1/15/98	6/11/98	7/7/98	1/11/99	6/30/99	3/13/00				
9/5/95	RP #1	PK on flag on seaward side of palm	FRP1	FRP1	FRP1	FRP1	FRP1	FRP1	FRP1	FRP1	FRP1	FRP1	FRP1	FRP1	FRP1	FRP1	FRP1
9/5/95	RP #2**	PK on flag on seaward side of palm	BRP1	BRP1	BRP1	BRP1	BRP1	BRP1	BRP1	BRP1	BRP1	BRP1	BRP1	BRP1	BRP1	BRP1	BRP1
9/5/95	RP #3	PK nail (no flag) on seaward side of palm	SRP	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Start of Line bearing		base.BRP1	base.FRP1	base.BRP1	base.BRP1	base.BRP1	base.BRP1	base.BRP1	base.BRP1	base.FRP1	base.BRP1	BRP	at.FRP	FRP		
			S68W	247°	-	247°	252°	255°	282°	283°	259	277			256		
Date first used	NORTH HALAMA STREET VHLM 1-2		Survey Dates Used										GPS				
			9/5/95	2/18/96	8/14/96	1/11/97	7/7/97	1/15/98	6/11/98	7/7/98	1/11/99	6/30/99	3/13/00				
9/5/95	RP #4**	PK at 0.3m on land side of "J"-shaped Tall palm	BRP2	BRP2	BRP2	BRP2	BRP2	BRP2	BRP2	-	BRP2	BRP2	BRP1-2	BRP1-2	BRP		
9/5/95	RP #5	PK at 3cm on landward side of dwarfed palm	FRP2	FRP2	FRP2	FRP2	FRP2	FRP2	FRP2	-	FRP2	FRP2	FRP1-2	FRP1-2	FRP		
7/7/97	RP #6*	temporary PK on beam	-	-	-	-	-	GPS1/HLM1	GPS1	-	GPS.PLANK	-	-	-	-		
7/7/97	RP #7*	sprinkler head near VHLM1-2	-	-	-	-	-	GPS2/HLM2	GPS2	-	-	-	-	-	-		
	Start of Line bearing		-	-	-	base.BRP2	base.BRP2	base.BRP3	not surveyed	base.BRP2	LWD.FRP	NEAR.BRP	front of tree				
			289°	-	-	-	260°	270°	-	272°	?	261	262				
			* = new PK nail or other marker														
<b>LOCATION</b>	Heading south on S. Kihei Rd, turn right (makai) on Waiohuli St. Park at intersection of Waiohuli with Halama St																
	Shoreline access 117																
<b>LINE-UP 1-1</b>	FRP palm and BRP palm																
<b>LINE-UP 1-2</b>	line of 5 palms and hedge between 3rd and 4th properties S of beach access #117																
<b>HOR. REF.</b>	BRP1																
<b>RP#1</b>	PK at 0.2m on seaward side of northernmost of 5 palms north of access path, just mauka of dune line at seaward-N edge of property to N of access																
<b>RP#2</b>	PK on orange flag at 0.4m to .6m on seaward side of palm, back of property 1470 N Halama) on N side of beach access #117; visible from path																
<b>RP#3</b>	PK nail (no flag) at 0.6m from grass on seaward side of palm on property just S of beach access #117																
<b>RP#4</b>	PK at 0.4m on landward side of next palm-landward of RP4 (5th palm mauka from scarp); palm is tall, leans seaward; nail is on "inside elbow" of trunk																
<b>RP#5</b>	PK at 6cm on low-lying, dwarfed palm between 3rd and 4th properties south of access path, 4th palm mauka from scarp																
<b>RP#6</b>	Temporary PK on wood plank/bench at N side of beach access #117																
<b>RP#7</b>	Sprinkler head on L2																
<b>GPS1</b>	RP6 = HLM1 = 2.518																
<b>GPS2</b>	RP7 = HLM2 = 3.185																
<b>Notes:</b>	Line 1-2 is between Joel Mikov's property and Robin Williams' (?) property																
	Scout RP's before setting up for best visibility																
9/7/95	Offshore survey																
7/8/97	GPS Survey																
	GPS Positions	Longitude	Latitude	Elevation (meters above local tidal datum)													
	HLM1	-156.457458	20.743614	2.52													
	HLM2	-156.457199	3.185000	3.185													
	*Primary GPS for elevation control; RP6 GPS1 (7/97) = 2.518																
	**Primary reference point; RP2/BRP1 = 3.121																